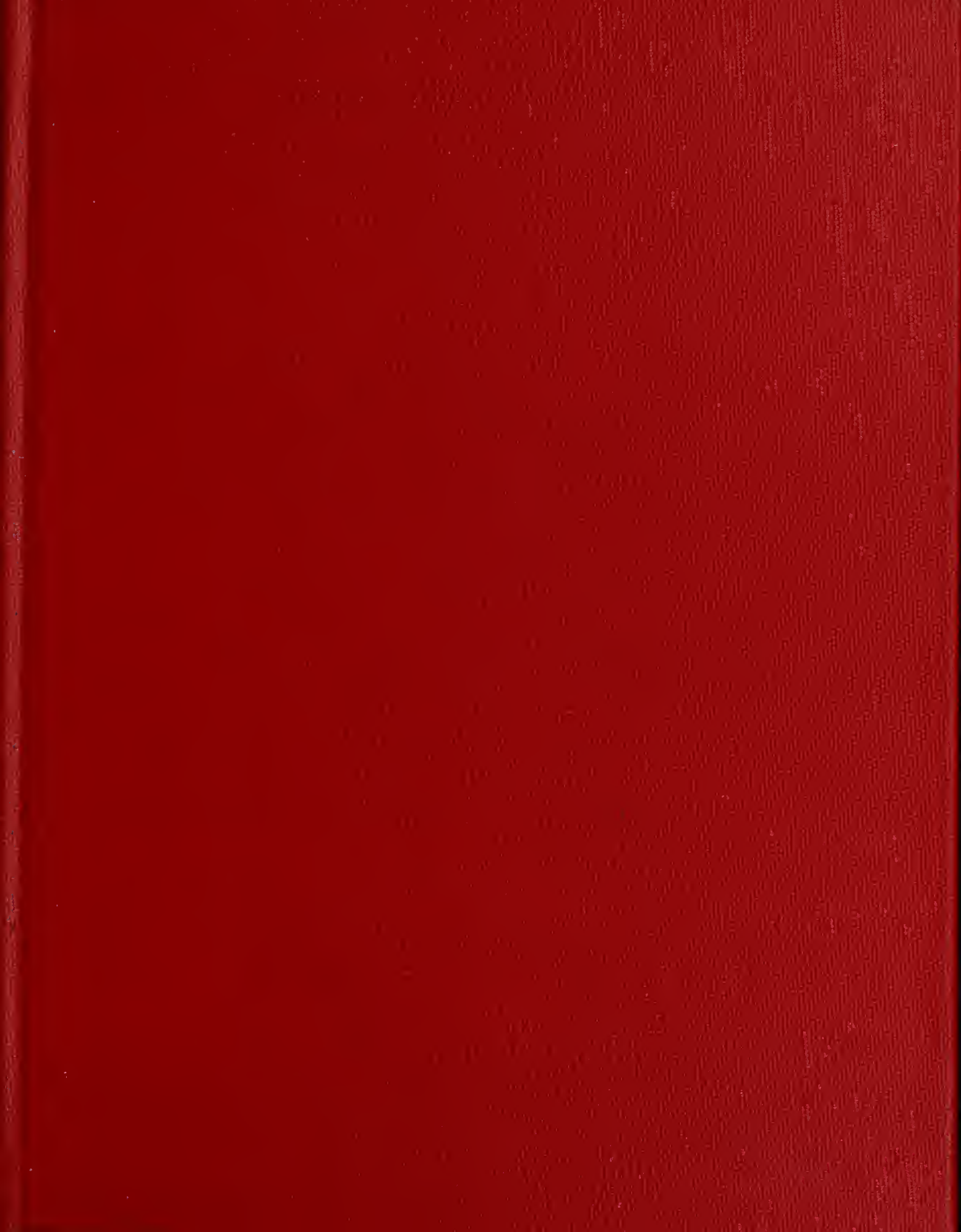


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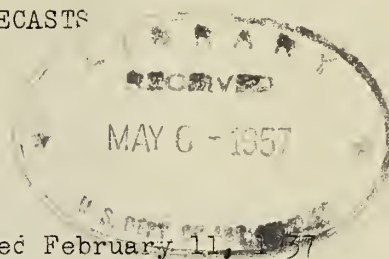
SNOW SURVEYS AND IRRIGATION WATER FORECASTS

FOR

OREGON

As of January last, 1937

Issued February 11, 1937



The following data pertaining to snow surveys and irrigation water supply forecasts are provided by Bureau of Agricultural Engineering of the U. S. Department of Agriculture in cooperation with the Oregon State Engineer, other Federal bureaus and local organizations. 1/

Status of precipitation as of October 1 to date:

Month	Oct.		Nov.		Dec.		Jan.		Period	
Section	P	D	P	D	P	D	P	D	P	D
S.E.	0.00	-0.64	0.04	-0.32	0.51	-0.43	0.8	0.0	1.38	-1.89
S.C.	0.00	-0.89	T	-1.53	0.78	-0.77	1.6	-0.3	2.38	-3.49
N.C.	0.02	-0.64	0.28	-0.92	1.00	-0.41	1.3	-0.2	2.60	-2.17
Col. Riv.	.04	-0.81	0.07	-0.71	1.35	-0.31	1.4	0.0	2.86	-1.83
Wal. Mts.	0.13	-1.22	T	-0.81	1.59	-0.45	1.9	+0.2	3.62	-2.46
Blue Mts.	0.11	-1.29	0.12	-1.32	1.95	-0.24	1.3	+0.1	3.98	-3.34
Southern	0.00	-2.08	0.04	-3.94	3.46	-0.89	3.9	-0.4	7.40	-7.11
Area									3.46	-3.18

P - Precipitation

D - Departure

- S.E. - Southeastern Oregon range lands, Harney and Malheur Counties
 S.C. - Southcentral Oregon range lands, Lake County and Klamath County, except the Cascade Mountains.
 N.C. - Northcentral Oregon wheat and range lands, Crook, Deschutes, Jefferson, Wheeler and part of Grant Counties.
 Col. Riv. - Columbia River area wheat and range lands, Gilliam, Morrow, Sherman, Wasco, and part of Umatilla Counties.
 Wal. Mts. - Wallowa Mountain area forest and range lands, Wallowa and part of Baker County.
 Blue Mts. - The Blue Mountain forest and range area, Union and parts of Baker, Grant and Umatilla Counties.
 Southern - Southern Oregon irrigated section, Jackson and Josephine Counties.

Note: Data for the last month shown above are preliminary only, as they are based on a few stations only. Data for earlier months have been corrected to include all the stations in climatological data for the area.

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Status of Reservoir storage as of November 1 to date:

Eastern Oregon: Slight storage increase since November 1. Storage is about the same now as last year at this time except in Owyhee Reservoir, which is now about 90% full as against 54% full last year at this time.

Central Oregon: No appreciable storage increase since November 1 except in Crane Prairie Reservoir, which is 64% full. Storage is about the same now as last year at this time.

Southern Oregon: No appreciable storage increase since November 1 except in Fish Lake Reservoir which is 62% full. Storage, on the average, is about 12% better than last year at this time.

A number of reservoirs throughout the state are practically dry at this time.

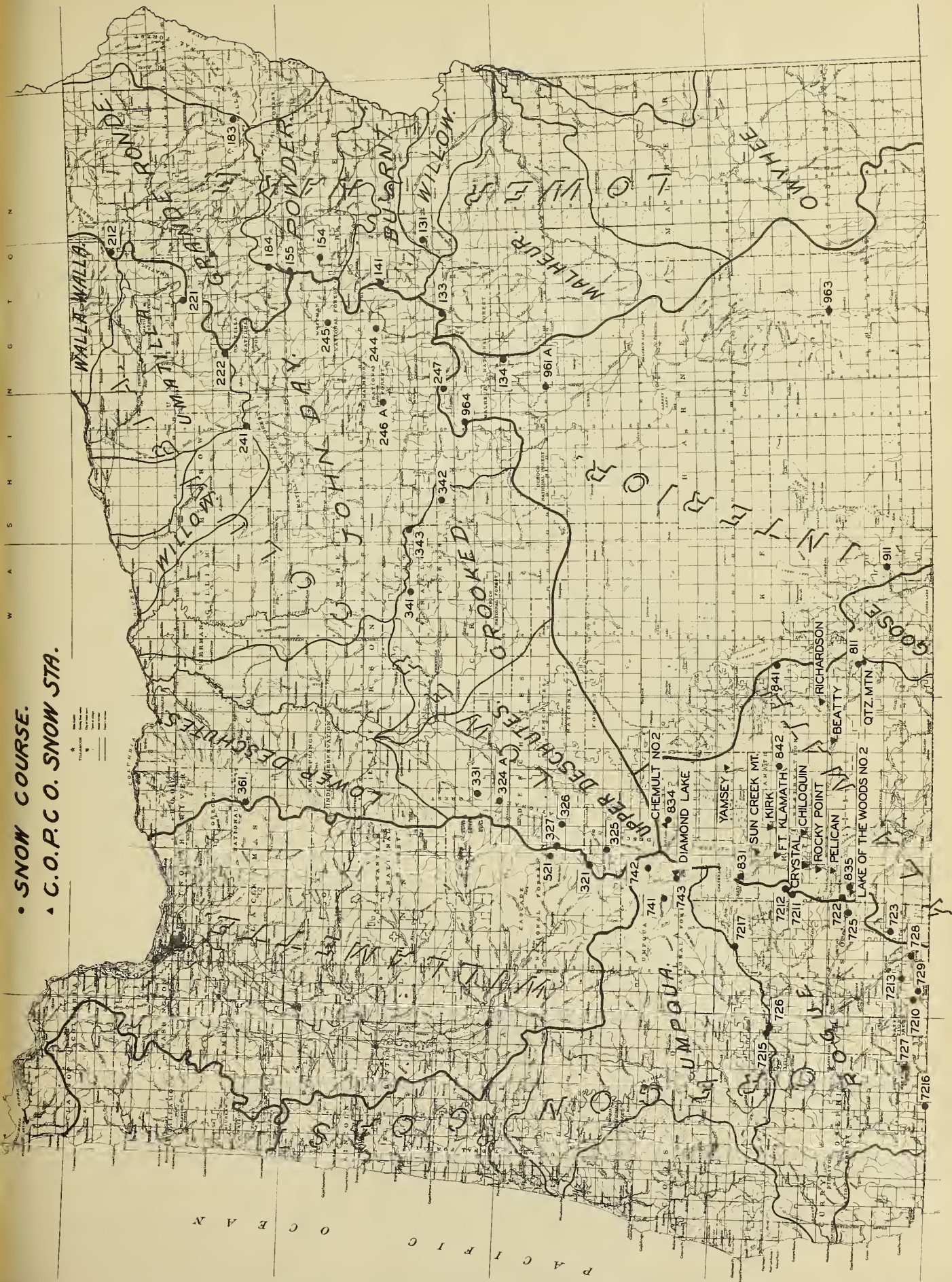
Comparison of snow cover with that of previous years:

For Oregon as a whole the snow-water content above 5000 feet averages about 70% of that found at the same time last year. January precipitation occurred largely in the form of snow at lower elevations, resulting in a greater average snow depth at lower elevations than usual.

Generally heavy storms early in February have increased the snow cover somewhat over the amounts reported herein for the last part of January.

Soil of the watersheds, in general, is unfrozen and very dry.

• SNOW COURSE.
 ▲ C.O.P.C.O. SNOW STA.



Tributary Basins (Primary & Secondary & Snow Courses)	Number	Sec.	Location Twp. Range	Elev.	Survey Date	Snow Cover Measurements			
						Average	Average	Inches	Remarks
						: Snow	: Water	: Jan.	
						: Depth	: (Inches)	: 1937	

UPPER COLUMBIA DRAINAGE
LOWER SNAKE IN OREGON

OWYHEE RIVER

Silver City Idaho 6 5S 3W 6400 1-30 37.9 9.4 22.9 G.N.F.

MALHEUR RIVER

Blue Mtn. Spring 133 21 15S 35E 5900 1-29 42.5 8.2 13.4 G.D.
Rock Spring 134 23 18S 32E 5100 1-30 21.1 4.2 8.7

BURNT RIVER

Blue Mountain Summit 141 6 12S 36E 5098 1-30 30.3 6.3 7.8 G.D.

POWDER RIVER

Bourne 154 33 8S 37E 5800 1-30 41.6 8.4 14.4

GRANDE RONDE RIVER

Aneroid Lake 183 16 4S 45E 6500 1-24 43.1 9.3 17.3

LOWER COLUMBIA DRAINAGE

WALLA WALLA RIVER

Toll Gate 212 33 4N 38E 6300 1-30 60.3 16.6 27.8

UMATILLA RIVER

Emigrant Springs 222 29 1N 35E 4600 1-27 34.5 7.6 9.9
Meacham 221 24 1S 35E 4600 1-27 36.9 9.3 11.2

Tributary Basins (Primary & Secondary & Snow Courses)	Number:	Location		Elev.	Survey Date	Average : Inches :				Remarks
		Sec.	Twp.			Snow Depth :(Inches)	Water Depth :(Inches)	Water Last of : Jan. : : 1936 :		
JOHN DAY RIVER										
Blue Mountain Spring	133	21	15S	5900	1-29	42.5	8.2	13.4	G.D.	
Beech Creek Summit	246A	4	12S	4912	1-27	28.4	4.9	4.9		
Izee Summit	964	23	16S	5293	1-31	27.4	5.5	9.2		
Olive Lake	245	14	9S	6000	1-30	43.8	8.2	15.6		
Starr Ridge	247	20	15S	5193	1-31	22.3	4.4	5.6		
Blue Mountain Summit	141	6	12S	5900	1-30	30.3	6.3	7.8	G.D.	
DESCHUTES RIVER										
Tamarack	342	8	15S	4600	1-29	25.8	4.9	N.R.	C.N.F.	
HARNEY BASIN										
I N T E R I O R D R A I N A G E										
Idylwild Camp	961A	33	20S	5200	1-28	19.2	3.6	3.4		
Izee Summit	964	28	16S	5293	1-31	27.4	5.5	9.2		
Rock Spring	134	25	18S	5100	1-30	21.1	4.2	8.7		
Starr Ridge	247	20	15S	5193	1-31	22.8	4.4	5.6		
W E S T C O A S T D R A I N A G E										
ROGUE RIVER										
Big Red Mountain	729	33	40S	6500	1-30	63.8	15.0	27.6	G.N.F.; G.D.	
Billie Creek Divide	722	17	36S	6000	1-25	57.3	17.1	28.0	G.N.F.	
Fish Lake	725	3	37S	4865	1-24	40.2	10.1	17.1		
Grayback Peak	727	9	40S	6000	2-7	84.2	21.7	22.1		
Little Red Mountain	7210	25	40S	6500	1-30	47.4	11.4	15.3	G.N.F.; G.D.	
Siskiyou Summit	728	17	40S	4630	1-28	42.0	8.6	6.5	G.N.F.	
Wagner Butte	7213	1	40S	6800	1-29	47.1	11.6	17.9	G.N.F.	
Wyatt Prairie Reservoir	723	15	39S	4900	2-10	50.2	13.8	13.0	C.N.F.	

